

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

107318-00000

SERIAL NO.

New Divisional

APPLICANT

HIRANO et al.

FILING DATE

March 2001

GROUP

Not assigned

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>Sm</i>	AA	4,822,751	04/1989	ISHIZU et al.			
<i>Sm</i>	AB	4,864,376	09/1989	AOKI et al.			
<i>Sm</i>	AC	4,948,231	08/1990	AOKI et al.			
<i>Sm</i>	AD	5,323,042	06/1994	MATSUMOTO			
<i>Sm</i>	AE	5,459,346	10/1995	ASAKAWA et al.			
<i>Sm</i>	AF	5,576,556	11/1996	TAKEMURA et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO PART.		
<i>Sm</i>	AG	03-286518	02.04.90	Japan					X
<i>Sm</i>	AH	60-257511	04.06.84	Japan					X
<i>Sm</i>	AI	60-245174	18.05.84	Japan					X
<i>Sm</i>	AJ	06-267982	09/22/94	Japan			X		
<i>Sm</i>	AK	06-296023	10/21/94	Japan			X		
<i>Sm</i>	AL	7-176748	07/1995	Japan					X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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		March 2001	Not assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>Sh</i>	AA	5,563,427	10/1996	YUDASAKA et al.			
<i>Sh</i>	AB	6,048,757	Apr. 2000	TAKEMURA			
<i>Sh</i>	AC	5,618,741	Apr. 1997	YOUNG et al.			
<i>Sh</i>	AD	4,522,845	Jun. 1985	POWELL et al.			
<i>Sh</i>	AE	5,529,937	7/20/94	ZHANG et al.			
<i>Sh</i>	AF	5,639,698	2/15/94	YAMAZAKI et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
							YES	NO	PART.
	AG	260645	Sept. 16, 1994	Japan					X
	AH	104117	May 14, 1987	Japan					X
	AI	29924	Feb. 8, 1998	Japan					X
	AJ	145775	June 29, 1987	Japan					X
	AK	335890	Dec. 22, 1995	Japan					X
	AL								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER <i>Samuel Adams</i>	DATE CONSIDERED <i>10/16/02</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
Se	AA	5,605,846	2/21/95	OHTANI et al.			
S	AB	5,614,728	03/1997	AKIYAMA			
S	AC	4,502,205	03/1985	YAHANO			
/	AD	/	/	/			
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO PART.		
	AG								
	AH								
	AI								
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	AL								

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EXAMINER

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Samuel Adams

3/22/02

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